Beam Power Tube

With Heater Having Controlled Warm-Up Time

GENERAL DATA	
Electrical:	
Heater, for Unipotential Cathode: Voltage (AC or DC)	olts amp sec μμf μμf
Characteristics, Class A, Amplifier:	
Plate Voltage	olts olts ohms mhos ma olts
Mechanical:	
Operating Position. Maximum Overall Length. Seated Length Maximum Diameter. Bulb. Cap	1/4" /16" /16" T12 1-3) -Pin
 (JEDEC Group 1, No.B6- Basing Designation for BOTTOM VIEW	
Pin 2-Heater Pin 3- Cathode, Grid No.3 Pin 4- Grid No.2 Pin 5- Grid No. Pin 7- Heater Pin 8- Grid No. Cap - Plate	



HORIZONTAL-DEFLECTION AMPLIFIER

Maximum Ratings, Design-Maximum Values:

For operation in a 525-line, 30-fram	me sy:	stem ^C			
DC PLATE VOLTAGE	770	max.	volts		
	6500	max.	volts		
	1500	max.	volts		
DC GRID-No. 2 (SCREEN-GRID) VOLTAGE	220	max.	volts		
PEAK NEGATIVE-PULSE GRID-No.1 VOLTAGE	330	max.	volts		
CATHODE CURRENT:					
Peak	550	max.	ma		
Average	175	max.	ma		
GRID-No.2 INPUT	4.5	max.	watts		
	17.5	max.	watts		
PEAK HEATER-CATHODE VOLTAGE:					
Heater negative with respect to cathode	200		1.		
Heater positive with	200	max.	volts		
respect to cathode	200f	max.	volts		
BULB TEMPERATURE (At hottest point	200	max.	VOITS		
on bulb surface)	220	max.	o _C		
on burb surrace,	220	max.	-0		
Maximum Circuit Values:					
Grid-No.1-Circuit Resistance	1	max.	megohm		
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Without external shield. b This value can be measured by a method involving a recurrent wave form such that the maximum ratings of the tube will not be exceeded.

As described in "Standards of Good Engineering Practice Concerning Tele-vision Broadcast Stations," Federal Communications Commission.

d
This rating is applicable where the duration of the voltage pulse does not exceed 15 per cent of one horizontal scanning cycle. In a 525-line, 30-frame system, 15 per cent of one horizontal scanning cycle is 10 microseconds.

An adequate bias resistor or other means is required to protect the tube in the absence of excitation.

f The dc component must not exceed 100 volts.